

Title (en)
PIPE JOINT WITH EARTHQUAKE-PROOF FUNCTION

Title (de)
ROHRVERBINDUNG MIT ERDBEBENSICHERER FUNKTION

Title (fr)
JOINT DE CANALISATION ANTISISMIQUE

Publication
EP 1584854 B1 20101117 (EN)

Application
EP 03781016 A 20031222

Priority
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Abstract (en)
[origin: EP1584854A1] A pipe joint with earthquake-proof function is provided. A lock ring engages with an accommodating groove of a socket. A tapered surface converging toward the opening side of the socket is formed on at least one of a portion of the lock ring engaging the accommodating groove and a portion of the accommodating groove engaging the lock ring. When a disengagement prevention force in a pipe axial direction for preventing a spigot from being disengaged from the socket by the engagement is transmitted from an accommodating groove to the lock ring through the tapered surface, a line of action of a component force of the disengagement prevention force in a direction perpendicular to the tapered surface passes the opening side of the socket of a contacting point between a socket bottom end part of the lock ring and the outer periphery of the spigot along the outer surface of the spigot. <IMAGE>

IPC 8 full level
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